

4th Grade

Main Rangefinder 2

Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.

- 1 The local zoo keepers counted their animals and found they had 4 tigers, 27 deer, 105 birds, 31 goats, 5 bears and 18 monkeys.

- a. How many animals do they have altogether? Show your answer.

Limited structure

you

$$\begin{array}{r} 105 \\ 31 \\ 27 \\ 18 \\ 5 \\ + 4 \\ \hline 233 \end{array}$$

I used addition

- b. How many more birds than deer do the zoo keepers have right now? Show or explain how you found your answer.

78 more

Struggles to communicate effectively

- c. The zoo keepers have 31 goats and 10 deer. How many goats do they have after the deer are added? Show or explain your answer.

Limited use of problem-solving strategies

$$\begin{array}{r} 31 \\ 10 \\ + 10 \\ + 10 \\ \hline 61 \end{array}$$

I used addition

- d. The zoo needs to divide the monkeys into two cages. How many monkeys will they put in each cage? Show or explain how you found your answer.

put nine in one cage.
put nine more in the other cage.

Limited process development

Read problems 2, 3, 4, and 5 on this and the next two pages. Select three problems to answer. Answer ALL of the parts of the three problems you select to answer. Cross out the one problem that you do not choose to answer.

- 2 Jane and Sam have messy rooms. They cleaned their rooms on December 31st. Then they set up a cleaning schedule for January. Jane will clean her room every 3rd day. Sam will clean his room every 5th day.

- a. On which dates in January will Jane clean her room? Show or explain how you found your answer.

3, 6, 9, 12, 15, 18, 21, 24, 27, 30

I used the calendar.

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Demonstrates
basic use of
thinking skills

- b. On which dates in January will Sam clean his room? Show or explain how you found your answer.

5, 10, 15, 20, 25, 30

I used the calendar.

Struggles to
communicate
effectively

- c. Who will clean their room the most days? Show or explain how you found your answer.

Jane will because she has most days.

- d. On which date(s) in January will they clean their rooms on the same day? Show or explain how you found your answer.

They both will clean there rooms on the 30.

Limited use of
problem-solving
strategies

- 3 Anna does chores each day after school. She feeds the animals for 20 minutes, collects eggs for 5 minutes, and cleans out the barn for 15 minutes.

a. How much time will Anna spend doing her chores? *Show or explain how you found your answer.*

$$\begin{array}{r} 5 \text{ min} \\ 20 \text{ min} \\ + 15 \text{ min} \\ \hline 40 \text{ min} \end{array}$$

Development
toward
proficiency of
basic skills



b. If Anna came home from school and started on her chores at 3:25, what time should she be finished with her chores? *Show or explain how you found your answer.*

$$\begin{array}{r} 3:25 \\ + 40 \text{ min} \\ \hline 4:05 \end{array}$$

Limited
understanding
of situations

Frequent
computational or
surface errors

c. Tomorrow Anna has the same chores to do. If Anna wants to finish her chores by 1:30, what time should she start doing her chores? *Show or explain how you found your answer.*

$$12:40$$

- 4 a. Draw and name five different geometric shapes.

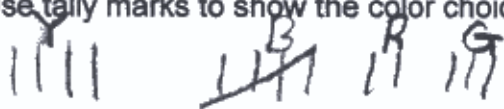
b. Which two shapes are the most **alike** and why?

c. Which two shapes are the most **different** and why?

- 5 Jon asked all of the boys in his class to choose their favorite color. He recorded the responses in a notebook. The results are shown below.

Boy's Name	Color	Boy's Name	Color
James	blue	Josh	yellow
Chris	blue	Casey	red
Steve	yellow	Bob	green
Bill	blue	Tom	green
Mike	red	Vale	blue
Shawn	yellow	Ryan	yellow
Matt	blue	Jack	green

- a. Use tally marks to show the color choices the boys made.



- b. Use Jon's information to make a graph. Show the number of boys who chose each color.

James	Blue	Bob	green
Bill	Blue	Tom	green
Matt	Blue	Jack	green
chris	Blue	Shawn	yellow
Vale	Blue	steve	yellow
Mike	red	Josh	yellow
Casey	red	Ryan	yellow